

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/583,249
Source: IT/50P
Date Processed by STIC: 6/27/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 06/27/2006

PATENT APPLICATION: US/10/583,249

TIME: 12:21:02

Input Set : A:\Q95566 Sequence Listing.txt

Output Set: N:\CRF4\06272006\J583249.raw

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3 <110> APPLICANT: KUBICKA, Stefan
4      KUHNEL, Florian
5      SCHULTE, Bernd
7 <120> TITLE OF INVENTION: ADAPTER FOR COUPLING A SUBSTANCE WHICH IS TO BE COUPLED TO A
CELL
8      SURFACE
10 <130> FILE REFERENCE: Q95566
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/583,249
C--> 12 <141> CURRENT FILING DATE: 2006-06-16
12 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/014419
13 <151> PRIOR FILING DATE: 2004-12-17
15 <150> PRIOR APPLICATION NUMBER: EP 03 029 139.7
16 <151> PRIOR FILING DATE: 2003-12-18
18 <160> NUMBER OF SEQ ID NOS: 11
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 33
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: human Cocksackie Adenovirus Receptor (hCAR) 5'-Primer
31 <220> FEATURE:
32 <221> NAME/KEY: misc_recomb
33 <222> LOCATION: (3)..(8)
34 <223> OTHER INFORMATION: KpnI restriction site
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <222> LOCATION: (9)..(11)
39 <223> OTHER INFORMATION: translation start codon of hCAR
41 <400> SEQUENCE: 1
42 gtggtaccat ggcgctcctg ctgtgcttcg tgc
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 42
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: human Cocksackie Adenovirus Receptor (hCAR) 3'-Primer
54 <220> FEATURE:
55 <221> NAME/KEY: misc_recomb
56 <222> LOCATION: (3)..(10)
57 <223> OTHER INFORMATION: NotI restriction site
59 <220> FEATURE:
60 <221> NAME/KEY: misc_feature
61 <222> LOCATION: (11)..(42)

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hCAR 62 <223> OTHER INFORMATION: complementary bases, corresponding to bases 776 to 807 of

63 (accession no. NM 001338)

65 <400> SEQUENCE: 2

66 tagcggccgc ctttatttga aggagggaca acgttttagac gc 42

69 <210> SEQ ID NO: 3

70 <211> LENGTH: 75

71 <212> TYPE: DNA

72 <213> ORGANISM: Artificial Sequence

74 <220> FEATURE:

75 <223> OTHER INFORMATION: 5'-PCR primer for HIV tat basic region

78 <220> FEATURE:

79 <221> NAME/KEY: misc_recomb

80 <222> LOCATION: (4)..(11)

81 <223> OTHER INFORMATION: NotI restriction site

83 <220> FEATURE:

84 <221> NAME/KEY: misc_feature

85 <222> LOCATION: (36)..(65)

86 <223> OTHER INFORMATION: "sense" oligonucleotide, corresponding to bases nos. 5518-

5547 of

87 the HIV genome (accession no. NC 001802)

89 <220> FEATURE:

90 <221> NAME/KEY: misc_recomb

91 <222> LOCATION: (68)..(73)

92 <223> OTHER INFORMATION: XbaI restriction site

94 <400> SEQUENCE: 3

95 aaagcggccg cggaggagga agtggaggag gaggaggcag gaagaagcgg agacagcgac 60

97 gaagaggtct agaaa 75

100 <210> SEQ ID NO: 4

101 <211> LENGTH: 10

102 <212> TYPE: PRT

103 <213> ORGANISM: Artificial Sequence

105 <220> FEATURE:

106 <223> OTHER INFORMATION: basic region of HIV tat protein

108 <400> SEQUENCE: 4

110 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg

111 1 5 10

114 <210> SEQ ID NO: 5

115 <211> LENGTH: 75

116 <212> TYPE: DNA

117 <213> ORGANISM: Artificial Sequence

119 <220> FEATURE:

120 <223> OTHER INFORMATION: 3'-PCR primer for HIV tat basic region

123 <220> FEATURE:

124 <221> NAME/KEY: misc_feature

125 <222> LOCATION: (1)..(75)

126 <223> OTHER INFORMATION: complementary to pCAR(ex)TAT48-57 5'

128 <400> SEQUENCE: 5

129 tttctagacc tttctgtcgc tgtctccgct tttctctgcc tcctcctcct ccacttcctc 60

131 ctccgcggcc gcttt 75

134 <210> SEQ ID NO: 6

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Input Set : A:\Q95566 Sequence Listing.txt

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135 <211> LENGTH: 72
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: 5'-PCR primer for 9 Arg peptide
143 <220> FEATURE:
144 <221> NAME/KEY: misc_recomb
145 <222> LOCATION: (4)..(11)
146 <223> OTHER INFORMATION: NotI restriction site
148 <220> FEATURE:
149 <221> NAME/KEY: CDS
150 <222> LOCATION: (36)..(62)
151 <223> OTHER INFORMATION: Coding for 9 Arg ("RRRRRRRRR")
153 <220> FEATURE:
154 <221> NAME/KEY: misc_recomb
155 <222> LOCATION: (65)..(70)
156 <223> OTHER INFORMATION: XbaI restriction site
158 <400> SEQUENCE: 6
159 aaagcggccg cggaggagga agtggaggag gagga cgt cgc cga cgg aga agg      53
160                                     Arg Arg Arg Arg Arg Arg
161                                     1           5
163 aga cgt aga ggtctagaaa      72
164 Arg Arg Arg
168 <210> SEQ ID NO: 7
169 <211> LENGTH: 9
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: 5'-PCR primer for 9 Arg peptide
176 <400> SEQUENCE: 7
178 Arg Arg Arg Arg Arg Arg Arg
179 1           5
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 72
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: 3'-PCR primer for 9 Arg peptide
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (1)..(72)
194 <223> OTHER INFORMATION: complementary to pCAR(ex)-9xArg 5'
196 <400> SEQUENCE: 8
197 tttctagacc tctacgtctc cttctccgtc ggcgacgtcc tctctctcca cttctctctc      60
199 cgcgccgct tt      72
202 <210> SEQ ID NO: 9
203 <211> LENGTH: 80
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence

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TIME: 12:21:02

Input Set : A:\Q95566 Sequence Listing.txt

Output Set: N:\CRF4\06272006\J583249.raw

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207 <220> FEATURE:
208 <223> OTHER INFORMATION: 5'-PCR primer for antennapedia homeobox-protein fragment
211 <220> FEATURE:
212 <221> NAME/KEY: misc_recomb
213 <222> LOCATION: (3)..(10)
214 <223> OTHER INFORMATION: NotI restriction site
216 <220> FEATURE:
217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (23)..(70)
219 <223> OTHER INFORMATION: partial coding sequence of Euprymna scolopes antennapedia
220     homeodomain protein (accession no.: AY052758), coding for amino
221     acids 62-77
223 <220> FEATURE:
224 <221> NAME/KEY: misc_recomb
225 <222> LOCATION: (73)..(78)
226 <223> OTHER INFORMATION: XbaI restriction site
228 <400> SEQUENCE: 9
229 aagcggccgc ggaggaggag gaagacagat caaaatatgg ttccaaaacc ggcgcatgaa      60
231 atggaagaaa ggtctagaaa                                80
234 <210> SEQ ID NO: 10
235 <211> LENGTH: 16
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: antennapedia homeobox protein fragment from Euprymna
scolopes
242 <400> SEQUENCE: 10
244 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
245 1           5              10              15
248 <210> SEQ ID NO: 11
249 <211> LENGTH: 80
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: 3'-PCR primer for antennapedia homeobox-protein fragment
257 <220> FEATURE:
258 <221> NAME/KEY: misc_feature
259 <222> LOCATION: (1)..(80)
260 <223> OTHER INFORMATION: complementary to pCAR(ex)-AntP62-77 5'
262 <400> SEQUENCE: 11
263 tttctagacc tttcttccat ttcattgcgcc ggttttggaa ccatattttg atctgtcttc      60
265 ctctctctcc gcggccgctt                                80

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/583,249

DATE: 06/27/2006

TIME: 12:21:03

Input Set : A:\Q95566 Sequence Listing.txt

Output Set: N:\CRF4\06272006\J583249.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date